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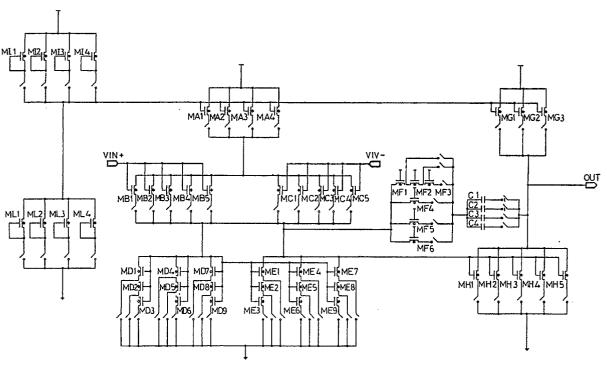
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- Analog integrated circuit having intrinsic topologies and characteristics selectable by a digital control.
- © An integrated analog circuit having a circuit topology and intrinsic characteristics which may be selected by digital control means is formed by batteries of similar circuit components arranged substantially in parallel or in a matrix array, anyone of which may be isolated or not by means of a dedicated integrated switch and by alternative interconnection paths among the different circuit components and/or batteries of circuit components, which may be also be selected by closing a relative integrated switch. A dedicated nonvolatile memory, integrated on the same chip may be permanently programmed and determine a certain configuration of all the integrated switches thus selecting a par-

ticular component or more components of each of said batteries of functionally similar components, and/or selecting a certain interconnection path among the different circuit components in order to form a functional integrated circuit having the desired topology and intrinsic characteristics. The integrated nonvolatile memory is programmed by means of a software program which may take as input data the desired values of the different parameters which determine the intrinsic characteristics of the functional analog circuit and the type of functional analog circuit itself.





EUROPEAN SEARCH REPORT

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